<u> </u>		FAI	TENT ALL DICIT.		A	T.	
DECLARATION AND POWEI	R OF AT	TORNEY			ATTORNEY	DOCKET NO. LE	X-0100-05A
a below named inventor. The	reby dec	clare that:				. •	
			d below next to my	y name;			f nlural names s
		inventor (if only on	e name is listed be	HOW J OL A	n original, first a	and joint inventor (i	i piurai names a
ad below) of the subject matte	er whicl	n is claimed and for v	wnich a patent is s	ought on	the invention en	titlea:	
Uuman Ion Channel Prote	ein and l	Polynucleotides Enc	outing the Same				
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Number	<u> </u>	and was amended	on	(11	applicable).	including the claim	s as amended
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ereby state that I have reviev y amendment(s) referred to ab	ove. I a	cknowledge the duty	y to disclose all inf	ormation	Willett IS materia	ii to patentaomity as	
56.							
reign Application(s) and/or Clair	n of Fore	eign Priority	G 1 Contact 110 of	ony foreigr	application(s) for	patent or inventor(s) c	ertificate listed be
reign Application(s) and/or Clair ereby claim foreign priority benefi I have also identified below any f	ts under	Title 35, United States	Code Section 119 01	e having a	filing date before	that of the application	on which priorit
	foreign a	pplication for patent or	inventor(s) certificat				
imed:			7 . FE FE F	n	PRIORITY	CLAIMED UNDER 3	5 U.S.C. 119
COUNTRY	APPLIC	ATION NUMBER	DATE FILE	υ	TRIORITI	YES: NO:	
			<u> </u>		l	YFS:NO:	
ovisional Application creby claim the benefit under Title	35, Unite	ed States Code Section 1 APPLICATION SE			ional application(s) listed below.	
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		60/194	,233				
S. Priority Claim hereby claim the benefit under Titl the claims of this application is n ection 112, I acknowledge the dut the filing date of the prior application	ot disclo	sea in the prior Office :	on as defined in Title	37, Code (of Federal Regulation	ons, Section 1.56(a) w	nich occurred bety
			DATE	 		itented/pending/abandor	ned)
APPLICATION SERIAL NUI	WIBER						
POWER OF ATTORNEY: As a named inventor, I hereby apparted that the connected the Lance K. Ish	erewith.	following attorney(s) a	nd/or agent(s) listed	below to p			business in the P
Send Correspondence to:	•					phone Calls To:	
Lance K. Ishimoto Lexicon Genetics Incorporated 4000 Research Forest Drive The Woodlands, TX 77381					Lance K. I (281) 863-3	3333	haliayad to be the
The Woodlands, TX 77381 I hereby declare that all statements further that these statements were a Section 1001 of Title 18 of the Ur	s made he made with nited State	erein of my own knowle th the knowledge that wi es Code and that such v	edge are true and tha illful false statements willful false statement	t all statem and the lik s may jeop	ardize the validity	of the application or an	sonment, or both, y patent issued th
Full Name of Inventor: Yi Hu		·	<u> </u>		Citizenship: Peo	pple's Rep. China	
		Weedlands TV 773	181				
Residence: <u>333 Holly Creek Ct. #</u>	7203, The	e woodlands, IA //3					
Post Office Address: Same							

ull Name of Inventor: James Alvin Kieke	Citizenship: USA		· -
Residence: 9202 Restover Lane, Houston, TX 77064-2626			
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Post Office Address: Same	1//		
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nventor's Signature	Date	· · · · · · · · · · · · · · · · · · ·	-8-
C. M. James Tra	Citizenship: USA		_
Full Name of Inventor: C. Alexander Turner, Jr.			
Residence: 67 Winter Wheat Place, The Woodlands, TX 77381			
Post Office Address: Same			-
Inventor's Signature	Date		•
	Cut. 11. Commission		
Full Name of Inventor: Michael C. Nehls	Citizenship: Germany		
Residence: Paul-Keller-Strasse 6, Stockdorf, Germany 82131			
Post Office Address: Same			-
•			
Inventor's Signature	Date		
inventor 3 diguntare			
	Citizenship: Canada		
Full Name of Inventor: Glenn Friedrich	Chizensinp. Canada		_
Residence: c/o Breland & Breland, Houston, TX 77004			
Post Office Address: Same			
Inventor's Signature	Date		
	Citizenship: USA		
Full Name of Inventor: Brian Zambrowicz			
Residence: 18 Firethorne Place, The Woodlands, TX 77382	. •		
Post Office Address: Same			
	*		
Inventor's Signature	Date		
	Citt I.C.A		
Full Name of Inventor: Arthur T. Sands	Citizenship: <u>USA</u>		_
Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382			
Post Office Address: Same			
Inventor's Signature	Date		,

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. L

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Novel Human Ion Channel Protein and Polynucleotides Encoding the Same

the specification of which is attached hereto unless the following box is checked:

as US Application Serial No. or PCT International Application () was filed on (if applicable). and was amended on _

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

claimed:			
	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
COUNTRY	APPLICATION NOMBER		VES: NO:
1			1100
	, T		YFS: NO:
1			

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
60/194,255 .	4/3/2000

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

the thing date of the prior approximation		
APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Lance K. Ishimoto, Reg. No. 41866

Send Correspondence to:
Lance K. Ishimoto
Lance K. Ishimoto
Lexicon Genetics Incorporated
4000 Research Forest Drive
The Woodlands, TX 17381 the result of my own knowledge are true and that all statements made on information and belief are believed to be true; and thereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declare that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and belief are believed to be true; and hereby declared that all statements made on information and hereby declared that all statements made on information
further that these statements were made with the knowledge that willful false statements may jeopardize the validity of the application or any patent issued thereo
the same of the same Code and that such willful faise statements may jeoparate the value of

Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

White of Inventor Vi Hu	Citizenship: People's Rep. China
Full Name of Inventor: Yi Hu	
Residence: 333 Holly Creek Ct. #203, The Woodlands, TX 77381	
Post Office Address: Same	
D	ate
Inventor's Signature	

'ull Name of Inventor: James Alvin Kieke	Citizenship: USA		:
Residence: 9202 Restover Lane, Houston, TX 77064-2626	·		
Post Office Address: Same			_ ·
ost Office Address. Same			
nyontor's Signature	Date		
nventor's Signature		*.e.	
Full Name of Inventor: C. Alexander Turner, Jr.	Citizenship: <u>USA</u>		_
Residence: 67 Winter Wheat Place, The Woodlands, TX 77381			
Post Office Address: Same			
Inventor's Signature	6-8-01 Date		
Inventor's Signature			
Full Name of Inventor: Michael C. Nehls	Citizenship: Germany		
Residence: Paul-Keller-Strasse 6, Stockdorf, Germany 82131			
Post Office Address: Same			
	•		
Inventor's Signature	Date		
Y	δ		
Full Name of Inventor: Glenn Friedrich	Citizenship: Canada	<u> </u>	<u>.</u>
Residence: c/o Breland & Breland, Houston, TX 77004			
Post Office Address: Same			
Tost Office Address. Small	,		
Inventor's Signature	Date		
Inventor 5 Signature			
P. L. Zambasada	Citizenship: <u>USA</u>		.,
Full Name of Inventor: Brian Zambrowicz			
Residence: 18 Firethorne Place, The Woodlands, TX 77382			
Post Office Address: Same			
	Date		
Inventor's Signature			
Full Name of Inventor: Arthur T. Sands	Citizenship: USA		
Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382			
Post Office Address: Same			
Inventor's Signature	Date		

ATTORNEY DOCKET NO. LEX-

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Novel Human Ion Channel Protein and Polynucleotides Encoding the Same

the specification of which is attached hereto unless the following box is checked:

as US Application Serial No. or PCT International Application () was filed on ____ (if applicable). and was amended on ___ Number _

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is

claimed:			
COLUMEDY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
COUNTRY	AFFEIGATION NOMBER		YES: NO:
			VES: NO:
			YFS:W/

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER 60/194,255	FILING DATE 4/3/2000	

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER FILING DATE		STATUS(patented/pending/abandoned)	

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Lance K. Ishimoto, Reg. No. 41866

Direct Telephone Calls To: Send Correspondence to: Lance K. Ishimoto Lance K. Ishimoto (281) 863-3333 Lexicon Genetics Incorporated 4000 Research Forest Drive

The Woodlands, TX 77381 hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

ection, 1001 of Title 18 of the United States Code and that such white Table Statement and Just	
ull Name of Inventor: Yi Hu	Citizenship: People's Rep. China
Residence: 333 Holly Creek Ct. #203, The Woodlands, TX 77381	
Post Office Address: Same	·
nventor's Signature Dat	t e

Full Name of Inventor: James Alvin Kieke	Citizenship: USA	
Residence: 9202 Restover Lane, Houston, TX 77064-2626		
Post Office Address: Same		•
	Pote	
Inventor's Signature	Date	
Full Name of Inventor: <u>C. Alexander Turner, Jr.</u>	Citizenship: <u>USA</u>	
Residence: 67 Winter Wheat Place, The Woodlands, TX 77381		
Post Office Address: Same		
	•	
Inventor's Signature	Date	
Full Name of Inventor: Michael C. Nehls	Citizenship: Germany	
Residence: Paul-Keller-Strasse 6, Stockdorf, Germany 82131	· ·	
Post Office Address: Same	·	
Inventor's Signature	Date	
Full Name of Inventor: Glenn Friedrich	Citizenship: Canada	
Residence: c/o Breland & Breland, Houston, TX 77004		
Post Office Address: Same		. (
Muntuedich	6/8/01	
Inventor's Signature	Date	
		•
Full Name of Inventor: Brian Zambrowicz	Citizenship: USA	•
Residence: 18 Firethorne Place, The Woodlands, TX 77382		
Post Office Address: Same		-
Brain Zambrung	(0) 18/01	
Inventor's Signature	Date ' /	
Full Name of Inventor: Arthur T. Sands	Citizenship: <u>USA</u>	-
Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382		
Post Office Address: Same		-
	Date	
Inventor's Signature	Date	

Direct Telephone Calls To:

DECLARATION AND POFOR PATENT APPLICAT		ORNEY			ATTORNEY DOC		C-0160-USA
As a below named inventor,	And the first find the wild and the straight	re that:				1	
My recidence/post office add	dress and citize	enshin are as state	d below next to my	name;		•	• ;
I believe I am the original, f	irst and sole in	ventor (if only on	e name is listed be	low) or an or	iginal, first and joi	int inventor (if	plural names are
listed below) of the subject i	matter which is	s claimed and for	which a patent is s	ought on the i	nvention entitled:		*
Novel Human Ion Channel I	Protein and Pol	lynucleotides Enc	oding the Same				
the specification of which is	attached heret	to unless the follo	wing box is checke	:d:			
() was filed on		as US Applicat	ion Serial No. or P	CT Internatio	nal Application		
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Thomship state that I have so	wiewed and w	nderstood the con	tents of the above	-identified sp	ecification, includ	ling the claims	, as amended by
any amendment(s) referred t	o above. I ack	nowledge the duty	to disclose all infe	ormation which	ch is material to pa	itentability as d	efined in 37 CFR
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Foreign Application(s) and/or	Claim of Foreign	1 Priority					rificate listed holow
I hereby claim foreign priority b	enefits under Titl	le 35, United States (Code Section 119 of	iny foreign appl	ication(s) for patent	or inventor(s) cer	on which priority is
and have also identified below	any foreign appli	cation for patent or	inventor(s) certificat	e naving a tiun	g date defote that of	the application	· ·
claimed:					PRIORITY CLAIN	CD INDER 25	1186 110
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Provisional Application I hereby claim the benefit under	Title 35, United S	tates Code Section 1	19(e) of any United S	ates provisional	application(s) listed t	pelow:	
		APPLICATION SEI	RIAL NUMBER	FILING I	DATE		
		60/194,		4/3/20	00		
	<u></u>						
U.S. Priority Claim I hereby claim the benefit under of the claims of this application Section 112, I acknowledge the the filing date of the prior applic	is not disclosed duty to disclose	in the prior United S material information	tates application in the as defined in Title 3	17, Code of Fed			
APPLICATION SERIAL	NUMBER	FILING	DATE		STATUS(patented/po	ending/abandone	d)
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POWER OF ATTORNEY: As a named inventor, I hereby and Trademark Office connected Lance K.	d therewith.		d/or agent(s) listed b	elow to prosecu	te this application at	nd transact all be	usiness in the Patent

lief are believed to be true; as or imprisonment, or both, und on or any patent issued therec

Send Correspondence to:

Full Name of Inventor: <u>James Alvin Kieke</u> Citizenship: <u>USA</u>	
Residence: 9202 Restover Lane, Houston, TX 77064-2626	
Post Office Address: Same	
Inventor's Signature Date	
	•
Full Name of Inventor: C. Alexander Turner, Jr. Citizenship: USA	
Residence: 67 Winter Wheat Place, The Woodlands, TX 77381	
Post Office Address: Same	
	·
Inventor's Signature Date	
Full Name of Inventor: Michael C. Nehls Citizenship: Germany	
Residence: Paul-Keller-Strasse 6, Stockdorf, Germany 82131	
Post Office Address: Same	
Inventor's Signature Date	
Full Name of Inventor: Glenn Friedrich Citizenship: Canada	
Residence: c/o Breland & Breland, Houston, TX 77004	
Post Office Address: Same	
·	
Inventor's Signature Date	—
Inventor's Signature Date	
	 -
Full Name of Inventor: Brian Zambrowicz . Citizenship: USA	
Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382	
Full Name of Inventor: Brian Zambrowicz . Citizenship: USA	
Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same	:
Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382	
Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same	:
Full Name of Inventor: Brian Zambrowicz Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same Inventor's Signature Date	
Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same Inventor's Signature Date Full Name of Inventor: Arthur T. Sands Citizenship: USA	
Full Name of Inventor: Brian Zambrowicz Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same Inventor's Signature Date Full Name of Inventor: Arthur T. Sands Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382	

DECLARATION AND POWER OF ATTORNEY OR PATENT APPLICATION

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is a below named inventor			d halow next to m	name.			
My residence/post office ac	idress and ci	tizenship are as state	a below liext to in	low) or an original fi	ret and joint	inventor (if plural n	ames are
believe I am the original,	first and sole	inventor (if only on	e name is listed be	iow) of an original, fi	and joint	inventor (it prarar it	anies are
isted below) of the subject	matter whic	h is claimed and for	which a patent is s	ought on the invention	n entitied:		
Jovel Human Ion Channel							
ine specification of which i	s attached he	ereto unless the follo	wing box is checke	ed:			
() was filed on		as US Applicat	ion Serial No. or P	CT International App	lication		• .
Number Number		and was amended	On	(if applicable).	•	•	
Ithereby state that I have i	eviewed and	understood the con	tents of the above	identified specificati-	on, including	g the claims, as ame	ended by
any amendment(s) referred	to above. I a	cknowledge the duty	to disclose all info	ormation which is mat	erial to paten	tability as defined ir	37 CFR
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v.50. ⊮oreign Application(s) and/or	Claim of For	sian Priority					
I rereby claim foreign priority	constituted and or	Tisto 25 United States (Code Section 119 of	ny foreign application(s)	for patent or i	nventor(s) certificate lis	ted below
and have also identified below	ony foreign o	nelication for natent or	inventor(s) certificate	having a filing date be	fore that of the	application on which	priority is
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Provisional Application							
I Aereby claim the benefit under	Title 35, Unite	d States Code Section 1	19(e) of any United St	ates provisional application	on(s) listed belo	w:	
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<i>y</i>	·						
I.S. Priority Claim I hereby claim the benefit unde	- Misto 25, 11-2	and Cratas Code Section	120 of any United S	tates annlication(s) listed	below and, ins	ofar as the subject matt	er of each
f the claims of this application	r Tille 33, Ulli	ad in the prior United S	tates application in th	e manner provided by the	e first paragrap	h of Title 35, United St	tates Code
ection 112, I acknowledge the	i is not disclos	eu in the prior Office 3	as defined in Title 3	7 Code of Federal Regu	lations. Section	1.56(a) which occurre	d between
he filing date of the prior applic	e duty to discu	ostional or PCT internation	anal filing date of this	annlication:	,		
The filling date of the prior applic	andii and the i	iational of 1 C1 internation	y ; <u>0</u> 0	- F F			
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/ APPLICATION SERIAL	NUMBER	FILING	DATE	317103	(paterica pena	-	
<u>K</u>							
Y							
FOWER OF ATTORNEY:							
s a named inventor, I hereby	appoint the f	ollowing attorney(s) and	I/or agent(s) listed be	low to prosecute this ap	plication and t	ransact all business in	the Patent
and Trademark Office connecte		•	-				
Lance K.	Ishimoto, Re	g. No. 41866		•			
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/Sena Correspondence to:	对作为这个 。20		244				
Lance K. Ishimoto				Lance K	. Ishimoto		200
Lexicon Genetics Incorpora	ted			(281) 863	-3333		
4000 Research Forest Drive							
The Woodlands, TX 77381						All States of the States of	(85 Bar)
I hereby declare that all statem	ents made here	in of my own knowled	ge are true and that a	il statements made on inf	formation and l	pelief are believed to be	e true; and
further that these statements we	re made with t	he knowledge that willf	ul false statements an	i the like so made are pu	ınishable by fin	e or imprisonment, or b	oth, under
Section 1001 of Title 18 of the	United States	Code and that such will	ful false statements n	nay jeopardize the validity	y of the applica	ition or any patent issue	ed thereon.
',							
Full Name of Inventor: Yi Hu				Citizenship: P	eople's Rep. C	<u>hina</u>	_
Hesidence: 333 Holly Creek C	4 #202 The T	Voodlands TV 77381					
Jesidence. 333 Fluny Creek C	#203, 1 <u>De V</u>	100uianus, 1A //301					
Post Office Address: Same	•						- ·
7							
<u>ن</u>							
inventor's Signature		<u> </u>		Date			

APOSTILLE

(Conventi e La Haye du 5 octobre 1961)

1. Land: Bundesrepublik Deutschland	
Diese öffentliche Urkunde	
2. ist unterschrieben von. Dr. Vossius	
3. in seiner Eigenschaft als Notar	
4. sle ist versehen mit demxikoxxxel/Siegel dexxiden des Notars Dr. Oliver Vossius in München	
München Bestätigt 31. Mai 2001	
7. durch die Präsidentin des Landgerichtes München 910 a 8. unter Nr.	I
9. SYNCE Siegel 10. Unterschrift	Edda Mulles
	Edda Huther

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued) Full Name of Inventor: James Alvin Kieke Citizenship: USA Residence: 9202 Restover Lane, Houston, TX 77064-2626 Post Office Address: Same Inventor's Signature Date Full Name of Inventor: C. Alexander Turner, Jr. Citizenship: USA Residence: 67 Winter Wheat Place, The Woodlands, TX 77381 Post Office Address: Same Date Inventor's Signature Citizenship: Germany Full Name of Inventor: Michael C. Nehls Residence: Paul-Keller-Strasse 6, Stockdorf, Germany 82131 Post Office Address: Same Inventor's Signature Date Full Name of Inventor: Glenn Friedrich Citizenship: Canada Residence: c/o Breland & Breland, Houston, TX 77004 Post Office Address: Same Date Inventor's Signature Full Name of Inventor: Brian Zambrowicz Citizenship: USA Residence: 18 Firethorne Place, The Woodlands, TX 77382 Post Office Address: Same Date Inventor's Signature Citizenship: USA Full Name of Inventor: Arthur T. Sands Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382 Post Office Address: Same

Inventor's Signature

Date

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Land: Bundesrepublik Deutschland	
Diese öffentliche Urkunde	
2. ist unterschrieben von. Dr. Vossius	
Notar	
3. in seiner Eigenschaft als	
4. sle ist versehen mit demy skyngel/Siegel den des Notars Dr. Oliver Vossius in München	
••••	
51: 1141 2001	
5. in	_
7. durch die Präsidentin des Landgerichtes München 910 a	I
8. unter Nr.	
9. Stembel/Siegel 10. Unterschrift	1/

Edda Huther

ASSIGNMENT OF PATENT APPLICATION

FOR GOCL AND VALUABLE CONSIDERATION,

We, the undersigned (each) have agreed and hereby agree to assign for good and valuable consideration, receipt of which is hereby expressly acknowledged, and do hereby sell, assign and transfer unto

Lexicon Genetics Incorporated

a corporation organized under the laws of the state of as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

Novel Human Ion Channel Protein and Polynucleotides Encoding the Same

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>LEX-0160-USA</u>, at Lexicon Genetics Incorporated 4000 Research Forest Drive, The Woodlands, TX 77381, and filed on <u>4/3/2001</u>, as Application Serial No. <u>09/825.147</u>, and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We hereby authorize Lance K. Ishimoto, attorney for Assignee, to insert the filing date and Serial number into the first paragraph of this assignment, after the application for Letters Patent has been filed, and the U.S. Patent Office has assigned such application a Serial Number.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our name(s) o	n the day and year set forth below.
Inventor (signature)	DATE
Yi Hu	
(Inventor's Typed Name)	
STATE OF TEXAS)) SS	
On this day of day of vidence to be the same individence to the same of his/her own free will for the use and purpose	, before me personally came the above named $\underline{Yi\ Hu}$ who is personally known or proved dual who executed the foregoing assignment, and who acknowledged to me that he/she is therein set forth.
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	MUMILL KLEAN NOTARY PUBLIC My Commission Expires: 213105

Inventor (signature)	DATE	. 현
James Alvin Kieke (Inventor's Typed Name)	- .	
STATE OF TEXAS)		٠.
) SS COUNTY OF MONTGOMERY)		
On this day of, known or proved to me on the basis of satisfactory evidence to me that he/she executed the same of his/her own free will f	, before me personally came the above named <u>James</u> to be the same individual who executed the foregoing assistor the use and purposes therein set forth.	s Alvin Kieke who is personally gnment, and who acknowledged
*		
	NOTARY PUBLIC	
	My Commission Expires:	
(- alexan Januar)	7-10-01 DATE	
Inventor (signature)	DAIL	
C. Alexander Turner, Jr. (Inventor's Typed Name)	·	
STATE OF TEXAS)) SS		
On this day of	before me personally came the above named <u>C. Alexan</u> to be the same individual who executed the foregoing ass for the use and purposes therein set forth.	nder Turner. Jr. who is personally ignment, and who acknowledged
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	NOTARY PUBLIC My Commission Expires: 2/3/05	
Inventor (signature)	DATE	
Michael C. Nehls (Inventor's Typed Name)		
STATE OF)		
) SS COUNTY OF)		
On this day of or proved to me on the basis of satisfactory evidence to that he/she executed the same of his/her own free will for the day of	before me personally came the above named Michael Cope the same individual who executed the foregoing assignments and purposes therein set forth.	Nehls who is personally known ent, and who acknowledged to me
•	NOTARY PUBLIC	
•	My Commission Expires:	-

(* •*	Mintinduck	6/8/01	
Inventor (signature)		DATE	
Glenn Friedrich (Inventor's Typed Nam	ne)	_	
STATE OF TOXA	S)		
• • •	vis) ss		•
On this 8th _da	ay of Jume , 200		iedrich who is personally known
or proved to me on the	e basis of satisfactory evidence to be t e same of his/her own free will for the u	he same individual who executed the foregoing assignment	t, and who acknowledged to me
	HARI WEAVENING	NOTARY PUBLIC My Commission Expires: 7/26/05	
Inn. For	STATE OF TEXES	6/20/01	·
Inventor (signature)	0	DATE /	
Brian Zambrowicz (Inventor's Typed Nam	ne)		
STATE OF TEXAS)		
known or proved to m to me that he/she exect	day of	before me personally came the above named Briato be the same individual who executed the foregoing assign the use and purposes therein set forth. NOTARY PUBLIC My Commission Expires: 21305	n Zambrowicz who is personally ignment, and who acknowledged
lufter	TSand	DATE (21)0(
Inventor (signature)		DATE	
Arthur T. Sands (Inventor's Typed Nan	ne)		
STATE OF TEXAS)) SS		
On this 2(5+ or proved to me on the that he/she executed to	day of Jime 20	before me personally came the above named Arthur The same individual who executed the foregoing assignment use and purposes therein set forth.	. Sands who is personally known nt, and who acknowledged to me
	JULIA OGREN MY COMMISSION EXPIRES JULY 23, 2001	NOTARY PUBLIC My Commission Expires: 2301	_

ASSIGNMENT OF PATENT APPLICATION

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We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

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We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our name(s) on the day and year set forth below.

Inventor (signature)	DATE		
Yi Hu			
(Inventor's Typed Name)	,		
STATE OF TEXAS)) SS COUNTY OF MONTGOMERY)			
On thisday of, to me on the basis of satisfactory evidence to be the sexecuted the same of his/her own free will for the use a	, before me personally can neme individual who executed the fo and purposes therein set forth.	me the above named <u>Yi Hu</u> whoregoing assignment, and who	ho is personally known or proved acknowledged to me that he/she
	My Commission Expires		

• • •	6 (0) /0
Inventor (signature)	DATE
James Alvin Kieke	
(Inventor's Typed Name)	
STATE OF TEXAS)	
COUNTY OF MONTGOMERY WE WE COUNTY OF MONTGOMERY WE WE COUNTY OF MONTGOMERY WE WE COUNTY OF MONTGOMERY	, before me personally came the above named <u>James Alvin Kieke</u> who is personally
known or proved to me on the basis of satisfactory evidence t	to be the same individual who executed the foregoing assignment, and who acknowledged
to me that he/she executed the same of his/her own free will for	the use and purposes therein set forth.
	Minela New
MICHELLE KLEIN Notary Public, State of Texas My Commission Expires February 13, 2005	NOTARY PUBLIC My Commission Expires: 2/3/05
Inventor (signature)	DATE
C. Alexander Turner, Jr.	
(Inventor's Typed Name)	
STATE OF TEXAS)	
) SS COUNTY OF MONTGOMERY)	
On this day of, known or proved to me on the basis of satisfactory evidence to me that he/she executed the same of his/her own free will for	_, before me personally came the above named <u>C. Alexander Turner, Jr.</u> who is personally to be the same individual who executed the foregoing assignment, and who acknowledged the use and purposes therein set forth.
	NOTARY PUBLIC
	My Commission Expires:
	· · · · · · · · · · · · · · · · · · ·
Inventor (signature)	DATE
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Michael C. Nehls (Inventor's Typed Name)	
STATE OF)) SS	
COUNTY OF)	
On this day of or proved to me on the basis of satisfactory evidence to be that he/she executed the same of his/her own free will for the terms of the same of the sa	, before me personally came the above named Michael C. Nehls who is personally know the same individual who executed the foregoing assignment, and who acknowledged to muse and purposes therein set forth.
	NOTARY PUBLIC
	My Commission Expires:

Page 2 of 3

(nventor (signature)	DATE	ş ¹ .
Glenn Friedrich		
(Inventor's Typed Name)		•
STATE OF)		
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COUNTY OF)		
On thisday of,	, before me personally came the above named Glenn e the same individual who executed the foregoing assignment	Friedrich who is personally known
or proved to me on the basis of satisfactory evidence to be that he/she executed the same of his/her own free will for th	e use and purposes therein set forth.	,,,,,, und united a series as the
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Inventor (signature)	DATE	
Brian Zambrowicz		
(Inventor's Typed Name)		
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On this day of	, before me personally came the above named B	rian Zambrowicz who is personally
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	My Commission Expires:	_
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<u> </u>		-
Inventor (signature)	DATE ·	
Arthur T. Sands		
(Inventor's Typed Name)		
STATE OF TEXAS)		
) SS		
COUNTY OF MONTGOMERY)		
On this,	, before me personally came the above named Arthu	r T. Sands who is personally known nent, and who acknowledged to me
or proved to me on the basis of satisfactory evidence to that he/she executed the same of his/her own free will for	be the same individual who executed the foregoing assignment the use and purposes therein set forth.	noin, and the same
	NOTARY PUBLIC	
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Page 3 of 3

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Inventor (signature)	DATE
Yi Hu (Inventor's Typed Name)	_ .
STATE OF TEXAS)	
COUNTY OF MONTGOMERY)	
On this day of to me on the basis of satisfactory evidence to be the same indi- executed the same of his/her own free will for the use and purpo	, before me personally came the above named Yi Hu who is personally known or proved ividual who executed the foregoing assignment, and who acknowledged to me that he/she uses therein set forth.
	NOTARY PUBLIC
•	My Commission Expires:

(signature)	DATE
Alvin Kieke	
's Typed Name)	_
OF TEXAS)	
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Y OF MONTGOMERY)	
day of	, before me personally came the above named James Alvin Kieke who is personally
r proved to me on the basis of satisfactory evidence	to be the same individual who executed the foregoing assignment, and who acknowledged
t he/she executed the same of his/her own free will for	the use and purposes therein set forth.
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:xander Turner, Jr.	
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day of	, before me personally came the above named C. Alexander Turner, Jr. who is personally
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t he/she executed the same of his/her own free will for	the use and purposes therein set forth.
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el C. Nehls	
's Typed Name)	
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day of	, before me personally came the above named Michael C. Nehls who is personally known
to me on the basis of satisfactory evidence to be the	ne same individual who executed the foregoing assignment, and who acknowledged to me
ne executed the same of his/her own free will for the us	se and purposes therein set forth
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	NOTARY PUBLIC
	My Commission Expires:

ator (signature) enn Friedrich entor's Typed Name)	DATE
	
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this, day of,	, before me personally came the above named Glenn Friedrich who is personally know
roved to me on the basis of satisfactory evidence to be the the/she executed the same of his/her own free will for the us	te same individual who executed the foregoing assignment, and who acknowledged to
Thoshe executed the same of market own free will for the hi	se and purposes therein set form.
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	Mr. Commission Expires
	My Commission Expires:
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ventor (signature)	DATE
Brian Zambrowicz nventor's Typed Name)	
aremo, 5 Types Trune)	
TATE OF TEXAS)) SS	
OUNTY OF MONTGOMERY)	
nown or proved to me on the basis of satisfactory evidence t	before me personally came the above named <u>Brian Zambrowicz</u> who is personal to be the same individual who executed the foregoing assignment, and who acknowledge
me that he/she executed the same of his/her own free will for	
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	NOTARY PUBLIC
	NOTARY PUBLIC My Commission Expires:
ventor (signature)	My Commission Expires:
ventor (signature)	
Arthur T. Sands	My Commission Expires:
Arthur T. Sands	My Commission Expires:
Arthur T. Sands iventor's Typed Name) TATE OF TEXAS)	My Commission Expires:
Arthur T. Sands iventor's Typed Name) TATE OF TEXAS)) SS	My Commission Expires:
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Arthur T. Sands nventor's Typed Name) TATE OF TEXAS) SS OUNTY OF MONTGOMERY) In this day of, proved to me on the basis of satisfactory evidence to be the	My Commission Expires: DATE DATE , before me personally came the above named Arthur T. Sands who is personally know a same individual who executed the foregoing assignment, and who acknowledged to me
Arthur T. Sands nventor's Typed Name) TATE OF TEXAS) SS OUNTY OF MONTGOMERY) In this day of, proved to me on the basis of satisfactory evidence to be the	My Commission Expires: DATE DATE , before me personally came the above named Arthur T. Sands who is personally know a same individual who executed the foregoing assignment, and who acknowledged to me
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Arthur T. Sands nventor's Typed Name) TATE OF TEXAS)	My Commission Expires: DATE DATE , before me personally came the above named Arthur T. Sands who is personally know a same individual who executed the foregoing assignment, and who acknowledged to me
•	My Commission Expires:

Page 3 of 3

I hereby certify that the above are the true signatures subscribed in my presence of

Mr. Dr. Michael Nehls, born 10/29/1961, of Paul-Keller-Strasse 8, 82131 Stockdorf (Germany), personally known to me.

As stated, the notary, his partner and his deputy were not active on behalf of the deponents off the limits of their professional duties.

Muzigh, this 05/25/2001

Dr. Vossius, notary

APOSTILLE

(Conventio de La Haye du 5 octobre 1961)

1. Land: Bundesrepublik Duts	chland				
Diese öffentliche Urkune					
2. ist unterschrieben von		ossius			
3. in seiner Eigenschaft als					
4. sie ist versehen mit dem SexxxXSiegel des (dex)xxx					
München	Bestätigt	31. Mai 2001			
5. in					
7. durch <u>die Präsidentin des Landgerichtes München</u> 910 a Bernter Nr.					
S XXXXXiegel	iù Luters				



Enda Hutuer